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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/912,559

DATE: 11/26/2001

TIME: 12:42:26

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3 <110> APPLICANT: ROEMISCH, JUERGEN
4     STOEHR, HANS-ARNOLD
5     FEUSSNER, ANNETTE
6     LANG, WIEGAND
7     WEIMER, THOMAS
8     BECKER, MARGRET
9     NERLICH, CLAUDIA
10    MUTH-NAUMANN, GUDRUN
12 <120> TITLE OF INVENTION: MUTANTS OF THE FACTOR VII-ACTIVATING PROTEASE AND
13    DETECTION METHODS USING SPECIFIC ANTIBODIES
15 <130> FILE REFERENCE: 06478.1457
17 <140> CURRENT APPLICATION NUMBER: 09/912,559
18 <141> CURRENT FILING DATE: 2001-07-26
20 <150> PRIOR APPLICATION NUMBER: DE 100 36 641.4
21 <151> PRIOR FILING DATE: 2000-07-26
23 <150> PRIOR APPLICATION NUMBER: DE 100 50 040.4
24 <151> PRIOR FILING DATE: 2000-10-10
26 <150> PRIOR APPLICATION NUMBER: DE 100 52 319.6
27 <151> PRIOR FILING DATE: 2000-10-21
29 <150> PRIOR APPLICATION NUMBER: DE 101 18 706.8
30 <151> PRIOR FILING DATE: 2001-04-12
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62 tacaatgaaa gagatgagat tccccacaat gatattgcat tgctcaagtt aaagccagt 1260
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111 <211> LENGTH: 560
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113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 3

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116 Met Phe Ala Arg Met Ser Asp Leu His Val Leu Leu Leu Met Ala Leu
117   1           5           10           15
119 Val Gly Lys Thr Ala Cys Gly Phe Ser Leu Met Ser Leu Leu Glu Ser
120           20           25           30
122 Leu Asp Pro Asp Trp Thr Pro Asp Gln Tyr Asp Tyr Ser Tyr Glu Asp
123           35           40           45
125 Tyr Asn Gln Glu Glu Asn Thr Ser Ser Thr Leu Thr His Ala Glu Asn
126           50           55           60
128 Pro Asp Trp Tyr Tyr Thr Glu Asp Gln Ala Asp Pro Cys Gln Pro Asn
129   65           70           75           80
131 Pro Cys Glu His Gly Gly Asp Cys Leu Val His Gly Ser Thr Phe Thr
132           85           90           95
134 Cys Ser Cys Leu Ala Pro Phe Ser Gly Asn Lys Cys Gln Lys Val Gln
135           100          105          110
137 Asn Thr Cys Lys Asp Asn Pro Cys Gly Arg Gly Gln Cys Leu Ile Thr
138           115          120          125
140 Gln Ser Pro Pro Tyr Tyr Arg Cys Val Cys Lys His Pro Tyr Thr Gly
141           130          135          140
143 Pro Ser Cys Ser Gln Val Val Pro Val Cys Arg Pro Asn Pro Cys Gln
144 145           150          155          160
146 Asn Gly Ala Thr Cys Ser Arg His Lys Arg Arg Ser Lys Phe Thr Cys
147           165          170          175
149 Ala Cys Pro Asp Gln Phe Lys Gly Lys Phe Cys Glu Ile Gly Ser Asp
150           180          185          190
152 Asp Cys Tyr Val Gly Asp Gly Tyr Ser Tyr Arg Gly Lys Met Asn Arg
153           195          200          205
155 Thr Val Asn Gln His Ala Cys Leu Tyr Trp Asn Ser His Leu Leu Leu
156           210          215          220
158 Gln Glu Asn Tyr Asn Met Phe Met Glu Asp Ala Glu Thr His Gly Ile
159 225           230          235          240
161 Gly Glu His Asn Phe Cys Arg Asn Pro Asp Ala Asp Glu Lys Pro Trp
162           245          250          255
164 Cys Phe Ile Lys Val Thr Asn Asp Lys Val Lys Trp Glu Tyr Cys Asp
165           260          265          270
167 Val Ser Ala Cys Ser Ala Gln Asp Val Ala Tyr Pro Glu Glu Ser Pro
168           275          280          285
170 Thr Glu Pro Ser Thr Lys Leu Pro Gly Phe Asp Ser Cys Gly Lys Thr
171           290          295          300
173 Glu Ile Ala Glu Arg Lys Ile Lys Arg Ile Tyr Gly Gly Phe Lys Ser
174 305           310          315          320
176 Thr Ala Gly Lys His Pro Trp Gln Ala Ser Leu Gln Ser Ser Leu Pro
177           325          330          335
179 Leu Thr Ile Ser Met Pro Gln Gly His Phe Cys Gly Gly Ala Leu Ile
180           340          345          350
182 His Pro Cys Trp Val Leu Thr Ala Ala His Cys Thr Asp Ile Lys Thr
183           355          360          365
185 Arg His Leu Lys Val Val Leu Gly Asp Gln Asp Leu Lys Lys Glu Glu
186           370          375          380
188 Phe His Glu Gln Ser Phe Arg Val Glu Lys Ile Phe Lys Tyr Ser His

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191 Tyr Asn Glu Arg Asp Glu Ile Pro His Asn Asp Ile Ala Leu Leu Lys
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194 Leu Lys Pro Val Asp Gly His Cys Ala Leu Glu Ser Lys Tyr Val Lys
195          420          425          430
197 Thr Val Cys Leu Pro Asp Gly Ser Phe Pro Ser Gly Ser Glu Cys His
198          435          440          445
200 Ile Ser Gly Trp Gly Val Thr Glu Thr Gly Lys Gly Ser Arg Gln Leu
201          450          455          460
203 Leu Asp Ala Lys Val Lys Leu Ile Ala Asn Thr Leu Cys Asn Ser Arg
204 465          470          475          480
206 Gln Leu Tyr Asp His Met Ile Asp Asp Ser Met Ile Cys Ala Gly Asn
207          485          490          495
209 Leu Gln Lys Pro Gly Gln Asp Thr Cys Gln Gly Asp Ser Gly Gly Pro
210          500          505          510
212 Leu Thr Cys Glu Lys Asp Gly Thr Tyr Tyr Val Tyr Gly Ile Val Ser
213          515          520          525
215 Trp Gly Leu Glu Cys Gly Lys Arg Pro Gly Val Tyr Thr Gln Val Thr
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225 <213> ORGANISM: Homo sapiens
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235 35 40 45
237 Tyr Asn Gln Glu Glu Asn Thr Ser Ser Thr Leu Thr His Ala Glu Asn
238 50 55 60
240 Pro Asp Trp Tyr Tyr Thr Glu Asp Gln Ala Asp Pro Cys Gln Pro Asn
241 65 70 75 80
243 Pro Cys Glu His Gly Gly Asp Cys Leu Val His Gly Ser Thr Phe Thr
244 85 90 95
246 Cys Ser Cys Leu Ala Pro Phe Ser Gly Asn Lys Cys Gln Lys Val Gln
247 100 105 110
249 Asn Thr Cys Lys Asp Asn Pro Cys Gly Arg Gly Gln Cys Leu Ile Thr
250 115 120 125
252 Gln Ser Pro Pro Tyr Tyr Arg Cys Val Cys Lys His Pro Tyr Thr Gly
253 130 135 140
255 Pro Ser Cys Ser Gln Val Val Pro Val Cys Arg Pro Asn Pro Cys Gln
256 145 150 155 160
258 Asn Gly Ala Thr Cys Ser Arg His Lys Arg Arg Ser Lys Phe Thr Cys
259 165 170 175
261 Ala Cys Pro Asp Gln Phe Lys Gly Lys Phe Cys Glu Ile Gly Ser Asp

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262          180          185          190
264 Asp Cys Tyr Val Gly Asp Gly Tyr Ser Tyr Arg Gly Lys Met Asn Arg
265          195          200          205
267 Thr Val Asn Gln His Ala Cys Leu Tyr Trp Asn Ser His Leu Leu Leu
268          210          215          220
270 Gln Glu Asn Tyr Asn Met Phe Met Glu Asp Ala Glu Thr His Gly Ile
271 225          230          235          240
273 Gly Glu His Asn Phe Cys Arg Asn Pro Asp Ala Asp Glu Lys Pro Trp
274          245          250          255
276 Cys Phe Ile Lys Val Thr Asn Asp Lys Val Lys Trp Glu Tyr Cys Asp
277          260          265          270
279 Val Ser Ala Cys Ser Ala Gln Asp Val Ala Tyr Pro Glu Glu Ser Pro
280          275          280          285
282 Thr Glu Pro Ser Thr Lys Leu Pro Gly Phe Asp Ser Cys Gly Lys Thr
283          290          295          300
285 Glu Ile Ala Glu Arg Lys Ile Lys Arg Ile Tyr Gly Gly Phe Lys Ser
286 305          310          315          320
288 Thr Ala Gly Lys His Pro Trp Gln Ala Ser Leu Gln Ser Ser Leu Pro
289          325          330          335
291 Leu Thr Ile Ser Met Pro Gln Gly His Phe Cys Gly Gly Ala Leu Ile
292          340          345          350
294 His Pro Cys Trp Val Leu Thr Ala Ala His Cys Thr Asp Ile Lys Thr
295          355          360          365
297 Arg His Leu Lys Val Val Leu Gly Asp Gln Asp Leu Lys Lys Glu Glu
298          370          375          380
300 Phe His Glu Gln Ser Phe Arg Val Gln Lys Ile Phe Lys Tyr Ser His
301 385          390          395          400
303 Tyr Asn Glu Arg Asp Glu Ile Pro His Asn Asp Ile Ala Leu Leu Lys
304          405          410          415
306 Leu Lys Pro Val Asp Gly His Cys Ala Leu Glu Ser Lys Tyr Val Lys
307          420          425          430
309 Thr Val Cys Leu Pro Asp Gly Ser Phe Pro Ser Gly Ser Glu Cys His
310          435          440          445
312 Ile Ser Gly Trp Gly Val Thr Glu Thr Gly Lys Gly Ser Arg Gln Leu
313          450          455          460
315 Leu Asp Ala Lys Val Lys Leu Ile Ala Asn Thr Leu Cys Asn Ser Arg
316 465          470          475          480
318 Gln Leu Tyr Asp His Met Ile Asp Asp Ser Met Ile Cys Ala Gly Asn
319          485          490          495
321 Leu Gln Lys Pro Gly Gln Asp Thr Cys Gln Gly Asp Ser Gly Gly Pro
322          500          505          510
324 Leu Thr Cys Glu Lys Asp Gly Thr Tyr Tyr Val Tyr Gly Ile Val Ser
325          515          520          525
327 Trp Gly Leu Glu Cys Glu Lys Arg Pro Gly Val Tyr Thr Gln Val Thr
328          530          535          540
330 Lys Phe Leu Asn Trp Ile Lys Ala Thr Ile Lys Ser Glu Ser Gly Phe
331 545          550          555          560

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